

Crosslinkable composition for a battery electrolyte

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Abstract

10 The field of the present invention relates to the field of batteries and of polymer electrolytes for batteries and more particularly to the field of lithium batteries.

The invention relates to a composition which can be polymerized and/or crosslinked photochemically or under an electron beam for a battery electrolyte comprising :

- 15 (a) at least one polyorganosiloxane (POS) (A) comprising, per molecule :
- at least 2 siloxyl units carrying radicals comprising an epoxy (Epx) functional group with optionally an ether (Eth) functional group, and
 - at least one of the siloxyl units carries a polyoxyalkylene (Poa) ether radical ;
- 20 (b) at least one electrolyte salt ; and
- (c) an effective amount of at least one cationic photoinitiator.

25 No figure.